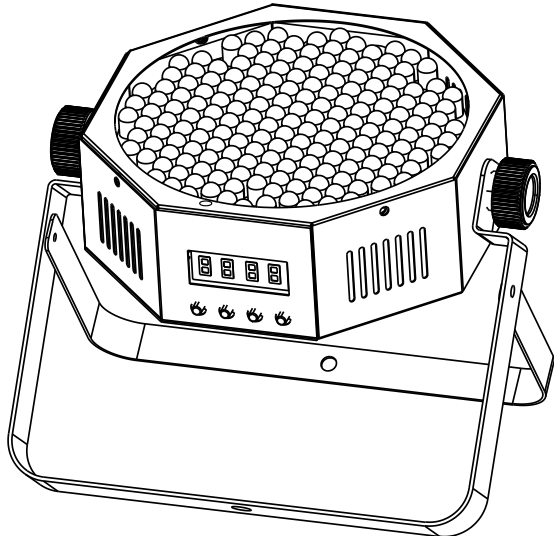
LUMINA PRO LIGHTING

FLAT PAR LED LIGHT
IR REMOTE

Product Code: SH-LED PAR64F



User Manual

Please read the instructions carefully before use

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1. Safety Introductions

WARNING

Please read the instructions carefully which includes important information about the installation, operation and maintenance.

- Please keep this User Manual for future consultation. If you sell the fixture to another user, be sure that they also receive this instruction booklet.
- Unpack and check carefully there is no transportation damage before using the fixture.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the fixture.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Disconnect main power before servicing and maintenance.
- Use safety chain when fixes this fixture. Don't handle the fixture by taking its head only, but always by taking its base.
- Maximum ambient temperature is Ta : 40^0C. Don't operate it where the temperature is higher than this.
- In the event of serious operating problem, stop using the fixture immediately. Never try to repair the fixture by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- Do not connect the device to any dimmer pack.
- Do not touch any wire during operation and there might be a hazard of electric shock.
- To prevent or reduce the risk of electrical shock or fire, do not expose the fixture to rain or moisture.
- The housing must be replaced if they are visibly damaged.
- Do not look directly at the LED light beam while the fixture is on.

Warning

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- Do not open the unit within five minutes after switching off.

- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution

There are no user serviceable parts inside the fixture. Do not open the housing or attempt any repairs yourself. In the unlikely situation, your unit may require service, please contact your nearest dealer.

2. Technical Specifications

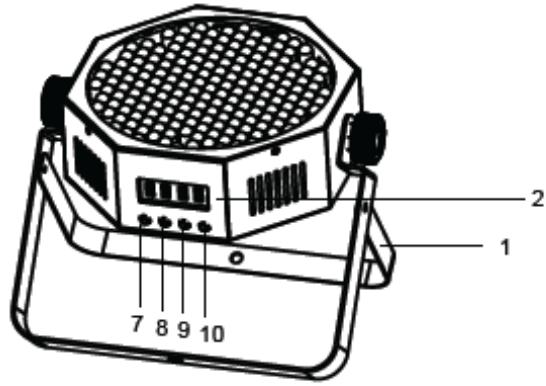
3, 5, 7channels selectable Flat LED PAR 64 light
4 push button with 4 Digital LED Display
Auto, Sound Activated, DMX512, Master/Slave, IR Remote Control
Light source:181PCS 10mm Ultra Bright LEDs (49 red,72 green,60 blue)
Please ensure there is nothing in between the remote and the fixture. Maximum distance for the remote to work is 2 meters.
Bulb angle:15-20 degree
Power consumption: 20W
Power input: AC90-250V/ 50-60Hz
Dimensions:L430xW250xH155mm
Weight:2.35kg

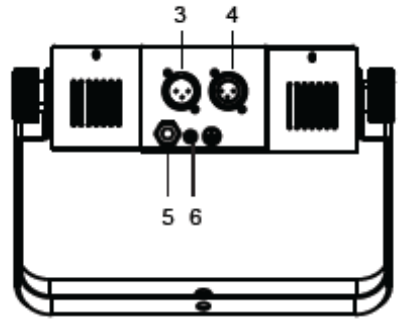
3. Installation

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.
The equipment must be installed by professionals.

4. How To Set The Unit

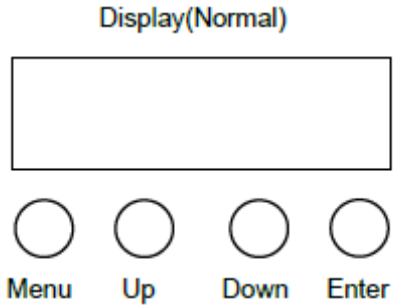
4.1 Control Panel



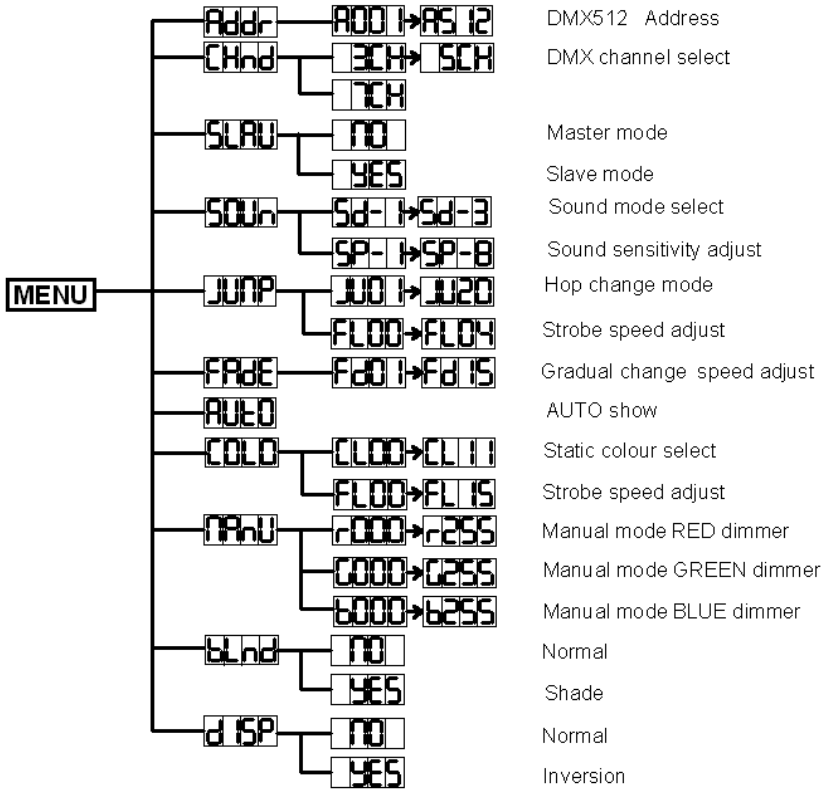


N°	Function/Description	N°	Function/Description
1	**Hanging Yoke**	6	Earth
2	Display LCD	7	MENU Button
3	DMX IN	8	UP Button
4	DMX OUT	9	DOWN Button
5	Power Cable	10	ENTER Button

4.2 Main Function

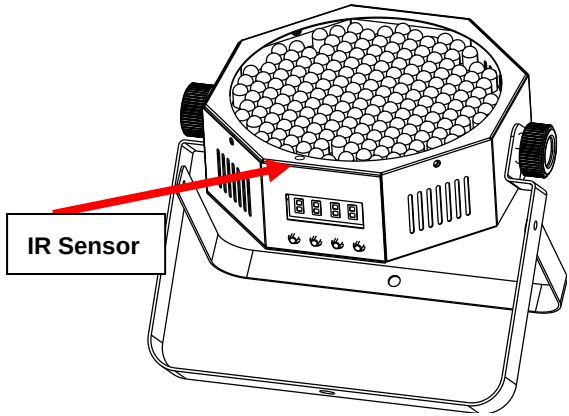


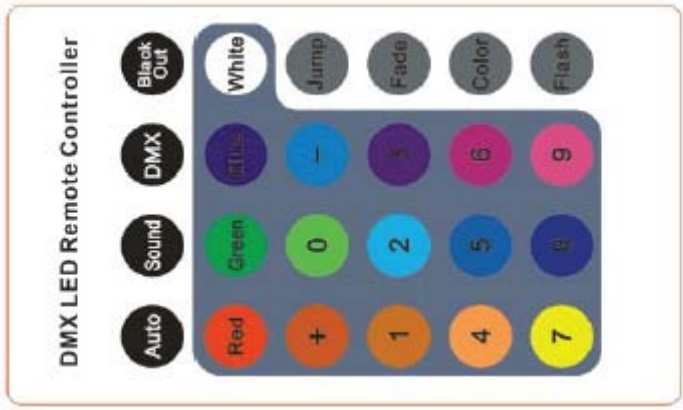
Menu	To select the program functions
Up	To go forward in the selected functions
Down	To go backward in the selected functions
Enter	To confirm the selected functions and go into the next layer menu



5. How to control the fixture

The IR sensor is located at the top of the LED Lights. Please point the remote within 1M from the sensor to control the fixture.





(1)Auto **Auto show**

(2)Sound **Sound active**

(3) DMX **DMX512 control, be switch mode between address and channel.**

(4) Black Out **Press once to shut off the light and again to re-activate it**

(5)Red **Red light is turned on**

(6)Green **Green light is turned on**

(7)Blue **Blue light is turned on**

(8)White **Red 、Green and Blue light are turned on**

(9) + **Increase parameters**

In Color mode, the light color with the picture in the above of the same color.

(10) — **Reduce parameters**

(11) 0~9 **Only in DMX and Color mode, the digital key to effective.**

In DMX mode, when you press down a key one of digital key digital tube flickered on, until you have press three key so far.

(12) Jump **Hop change mode**

(13) Fade **Gradual change mode**

(14) Color **Static color**

You must first press the "Color" key if the program is not in Color mode before you can select color from the keypad.

(15)Flash **Only in Auto Dimmer, Jump, and Color mode, the function key to effective. Singular time into strobe mode, even number exit.**

6. DMX512 Configuration

3 channels Mode:

Channel	Value	Function
CH1	0-255	RED dimmer
CH2	0-255	GREEN dimmer
CH3	0-255	BLUE dimmer

5 channels Mode:

Channel	Value	Function
CH1	0-255	RED dimmer
CH2	0-255	GREEN dimmer
CH3	0-255	BLUE dimmer
CH4	0-255	Master dimmer
CH5	0-6	Dimmer mode
	7-65	Slow to fast strobe
	66-69	None
	70-128	Pulse strobe from slow to fast
	129-132	None
	133-191	Strobe fading in from slow to fast
	192-195	None
	196-255	Strobe fading out from slow to fast

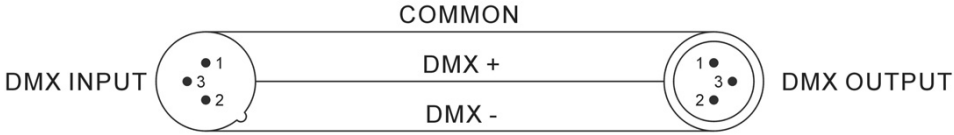
7 channels Mode:

Channel	Value	Function
CH1	0-255	RED dimmer
CH2	0-255	GREE N dimmer

CH3	0-255	BLUE dimmer
CH4	0-255	Master dimmer
CH5 (CH7<60)	0-6	Dimmer mode
	7-65	Slow to fast strobe
	66-69	None
	70-128	Pulse strobe from slow to fast
	129-132	None
	133-191	Strobe fading in from slow to fast
	192-195	None
	196-255	Strobe fading out from slow to fast
CH5 (CH7>=60)	0-255	In standalone mode, running speed from slow to fast
CH6 (Static color mode)	0-255	Static color select
CH6 (color change mode)	0-255	Strobe from slow to fast
CH7	0-59	Dimmer mode
	60-119	Static color mode
	120-179	Color jump change mode
	180-239	Color gradual change mode
	240-255	Sound active mode

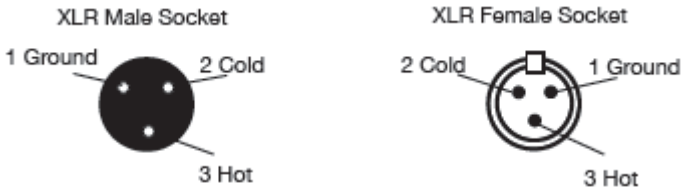
7. DMX512 Connections

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.



Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal.
(Resistance 120 ohm 1/4W)between pin2(DMX-)and pin3(DMX+) of the last fixture.

1. Connect the fixture together in a “daisy chain” by XLR plug cable from the output of the fixture to the input of the next fixture. The cable cannot be branched or split to a “Y” cable. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system
2. The DMX output and input connectors are pass-through to maintain the DMX circuit when one of the units’ power is disconnected.
3. At last fixture, the DMX cable has to be terminated with a terminator to reduce signal errors. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.
4. Each lighting fixture needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
5. 3 pin XLR connectors are more popular than 5 pins XLR.
   3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
   5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+),
   Pin4/5: not used



XLR Pin Configuration

Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)

8. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The fixture does not work, no light

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the fixture or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. Some fixtures don't respond to the easy controller

1. You may have a break in the DMX cabling. Check the LED for the response of the master/ slave mode signal.
2. Wrong DMX address in the fixture. Set the proper address.

D. No response to the sound

1. Make sure the fixture does not receive DMX signal.
2. Check microphone to see if it is good by tapping the microphone.

E. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

9. Fixture Cleaning

The cleaning of internal must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

EC Declaration of Conformity

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

EN55103-1:199601-2; EN55103-2:1996;
EN61000-3-2:2000+A2:2005;
EN61000-3-3:1995+A1:2001+A2:2005.

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Harmonized Standard

EN 60598-1: 2004
IEC 60598-1:2003+ corrigendum 2004
Part 1:General requirements and test

Following the provisions of the low voltage directive 73/23/EEC and 93/68/EEC

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